

SUPPLEMENTARY INFORMATION

Anesthesia-induced hypothermia mediates decreased *ARC* gene and protein expression through ERK/MAPK inactivation

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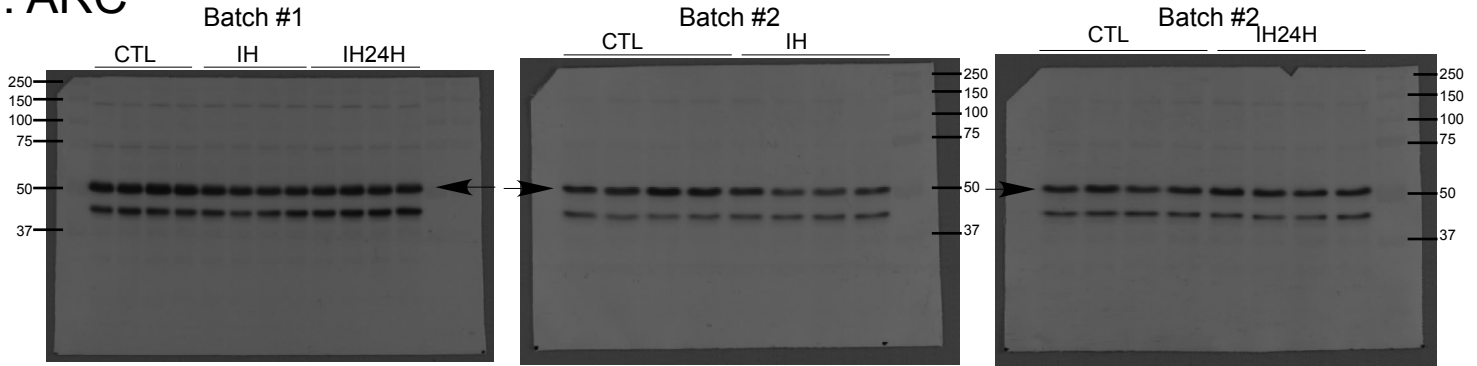
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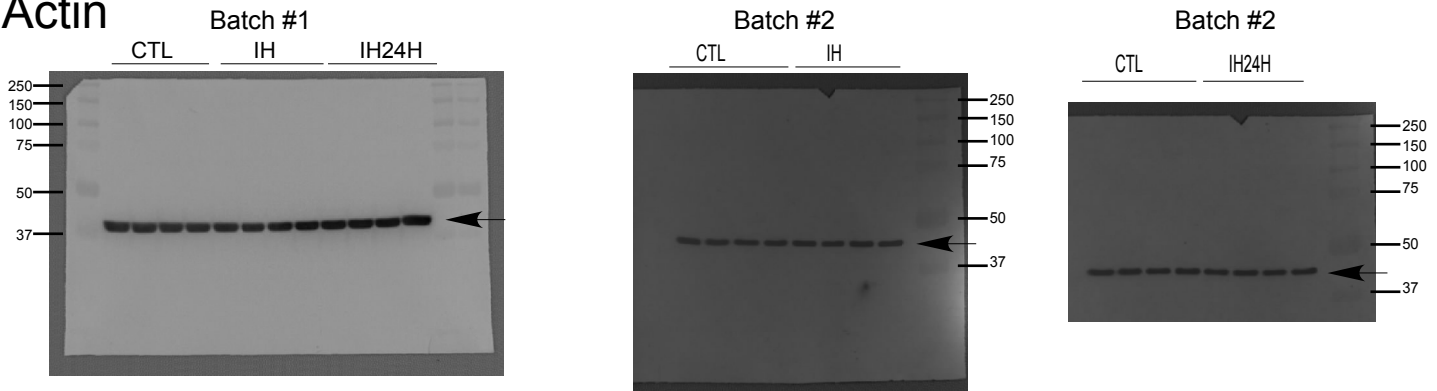
Figure S1

A. Hypothermia

1. ARC

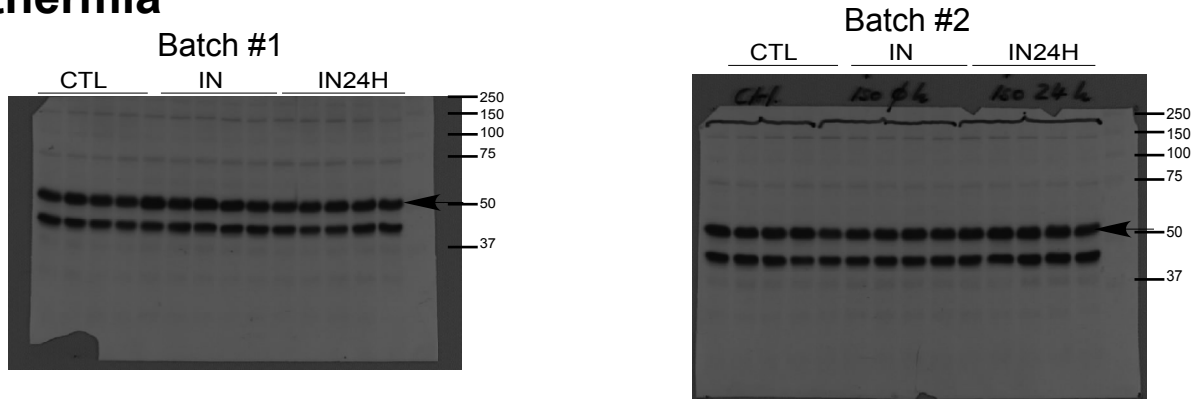


2. Actin



B. Normothermia

1. ARC



2. Actin

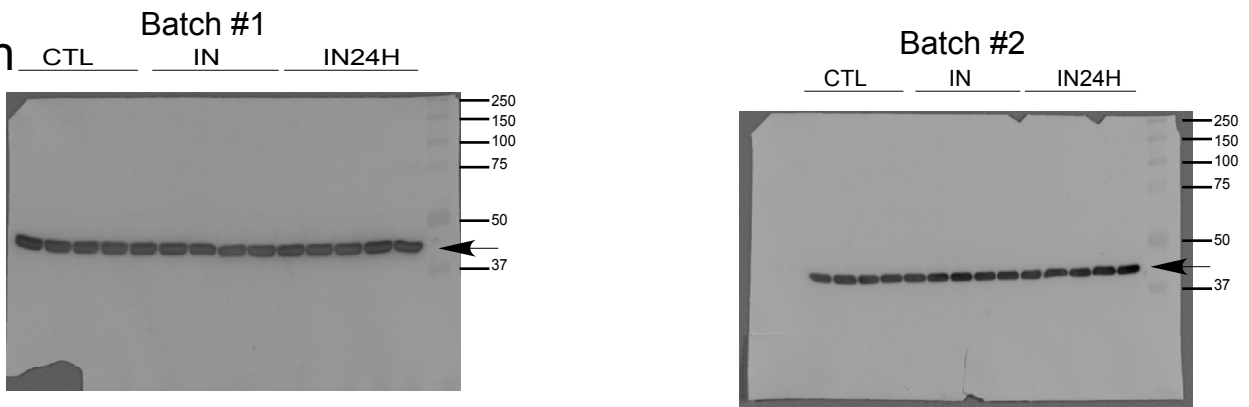
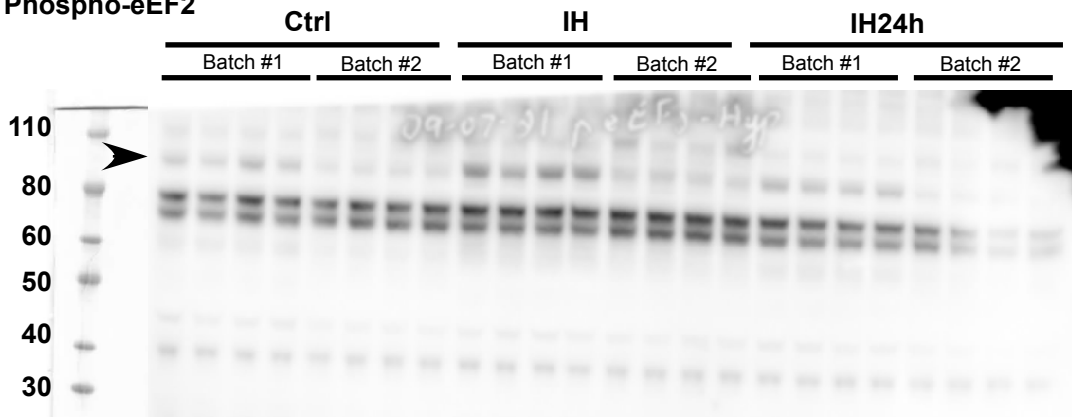


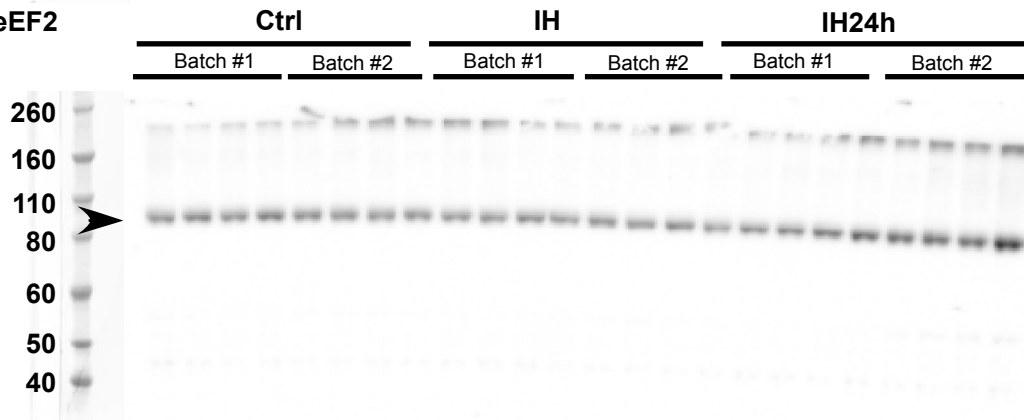
Figure S2

A. Hypothermia during anesthesia

1. Phospho-eEF2

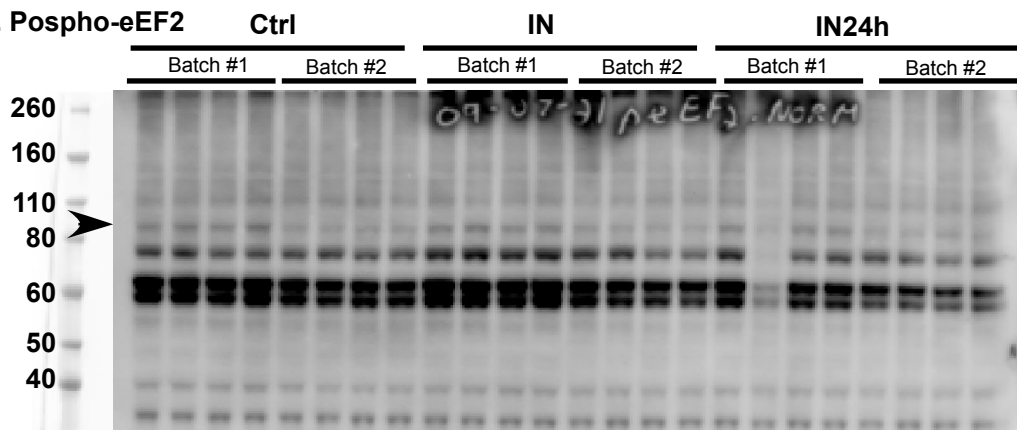


2. eEF2



B. Normothermia during anesthesia

1. Phospho-eEF2



2. eEF2

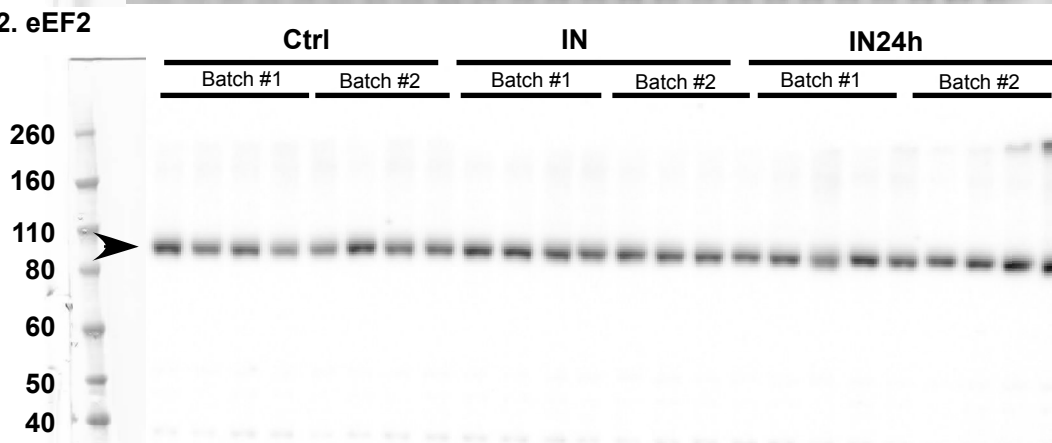
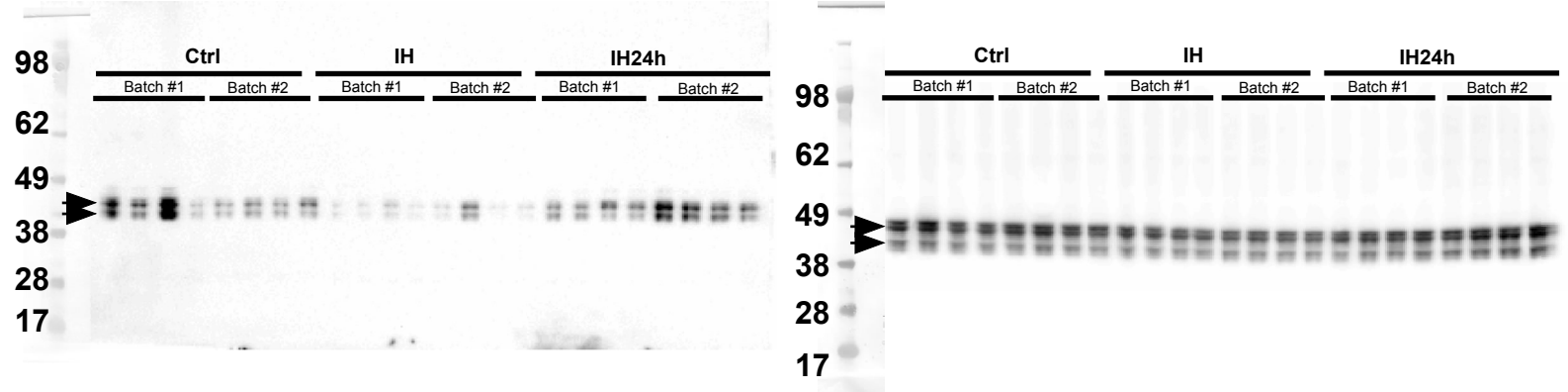


Figure S4

A. Hypothermia during anesthesia

1. Phospho- ERK

2. ERK



B. Normothermia during anesthesia

1. Phospho- ERK

2. ERK

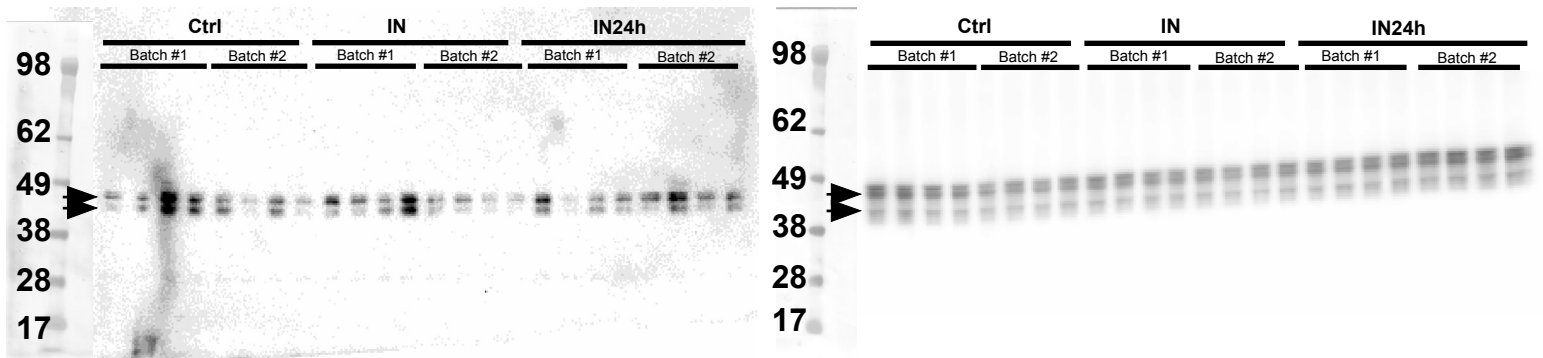
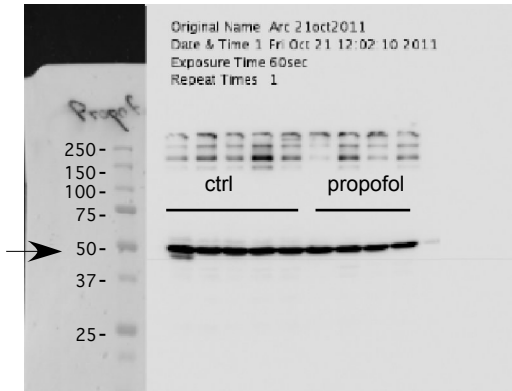
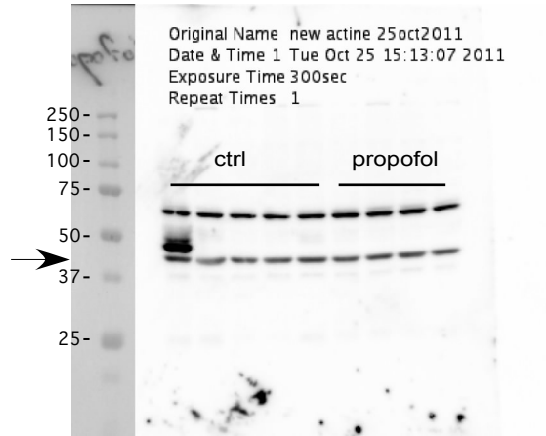


Figure S5

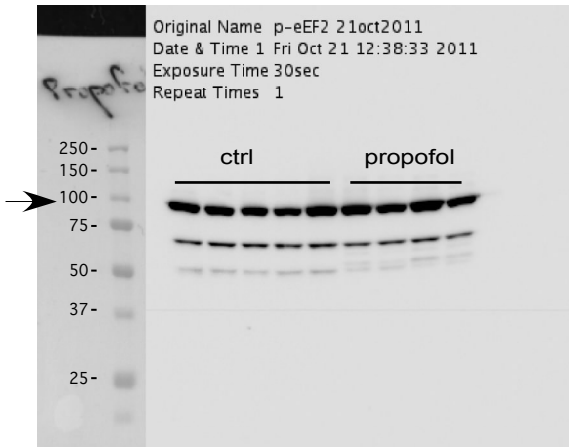
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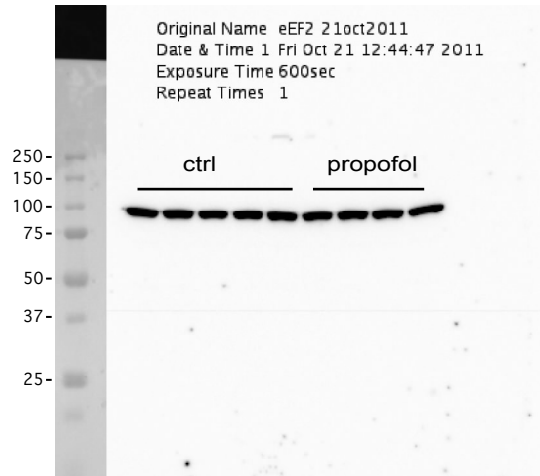
2. b-actin



3. p-eEF2



4. eEF2



5. pERK

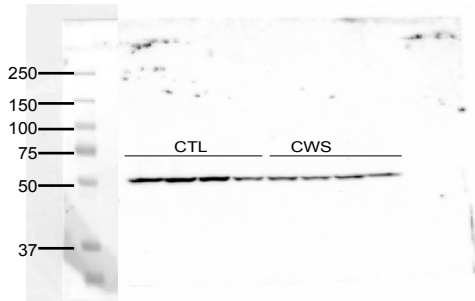


6. ERK

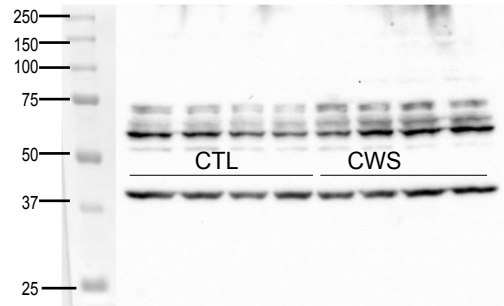


Figure S6

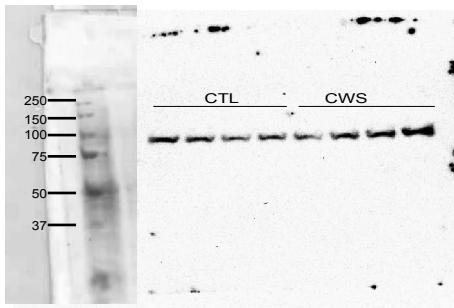
1.ARC



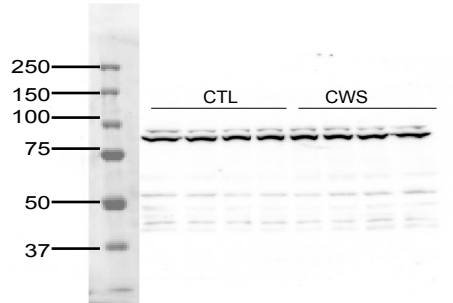
2.Actin



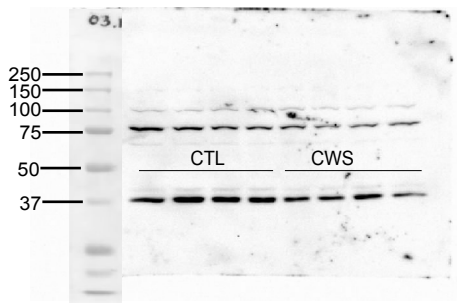
3.P-eEF2



4.eEF2



5.P-ERK



6.ERK

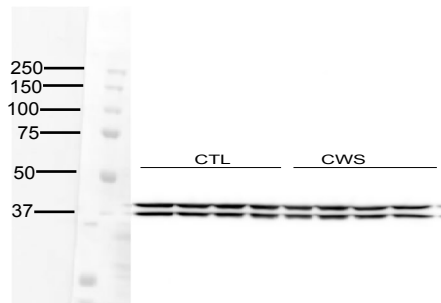
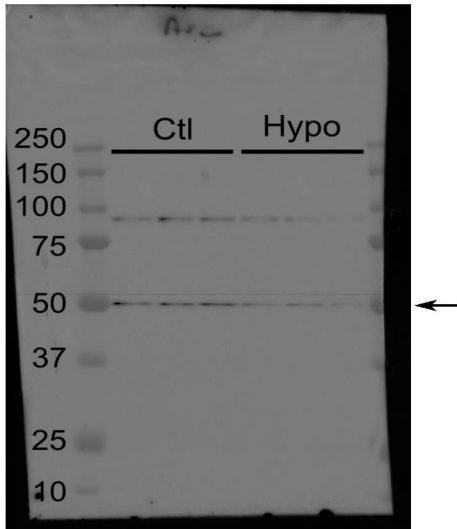
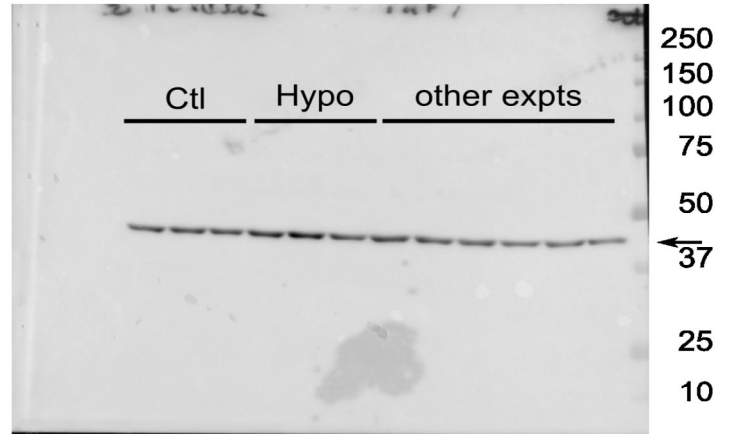


Figure S7a (Batch#1)

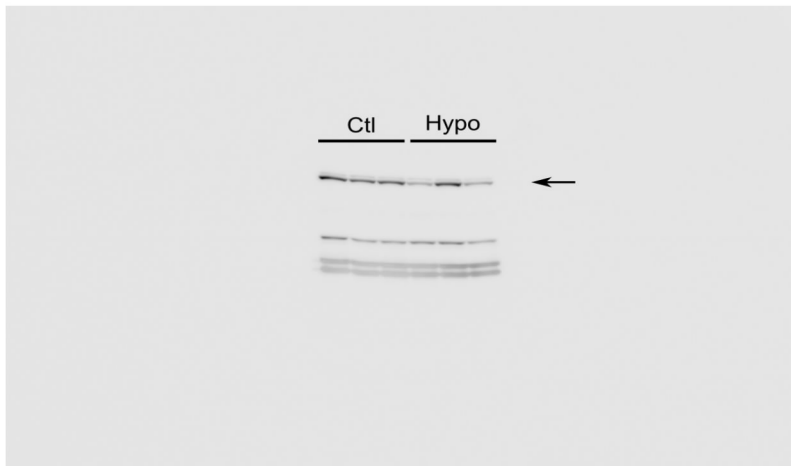
1. Arc



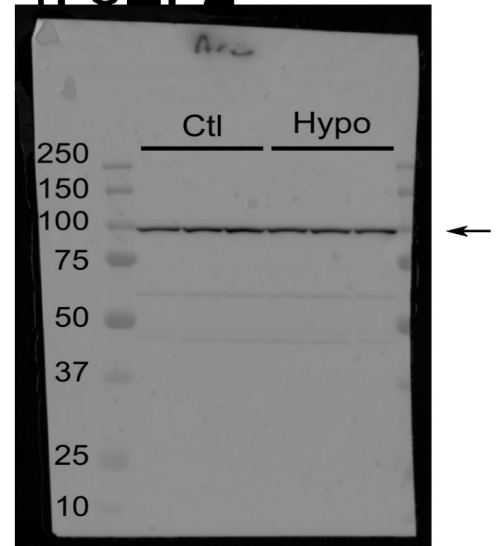
2. Actin



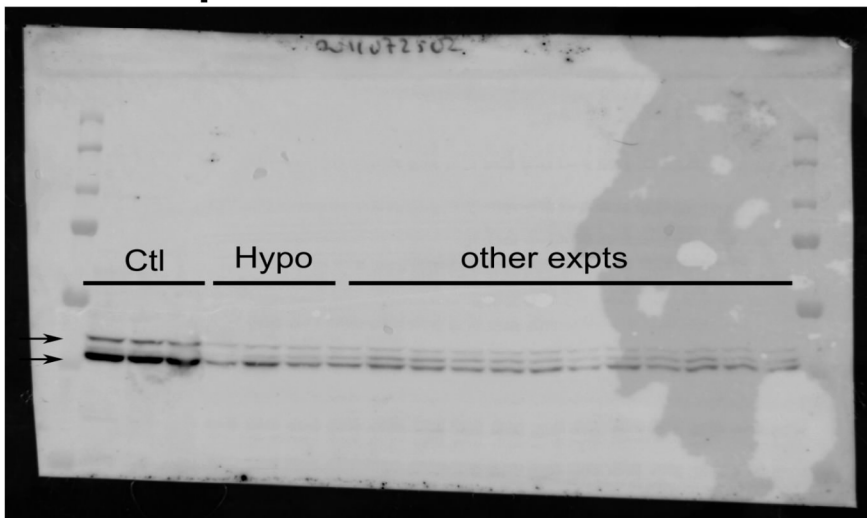
3. Phospho-eEF2



4. eEF2



5. Phospho-ERK



6. ERK

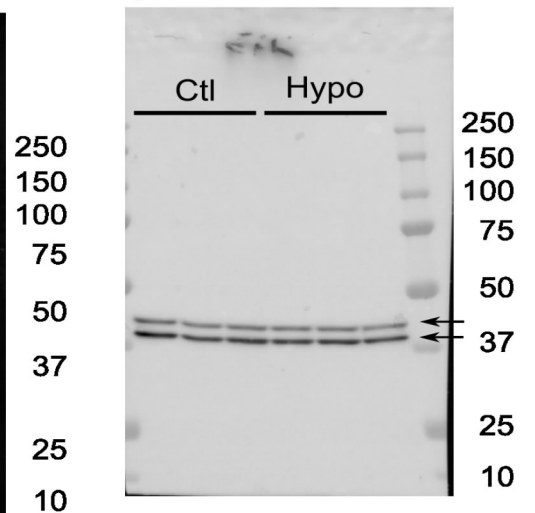
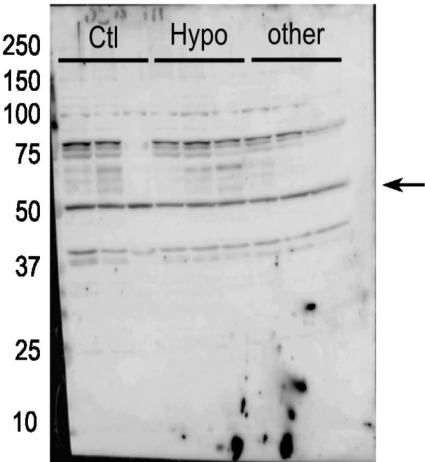
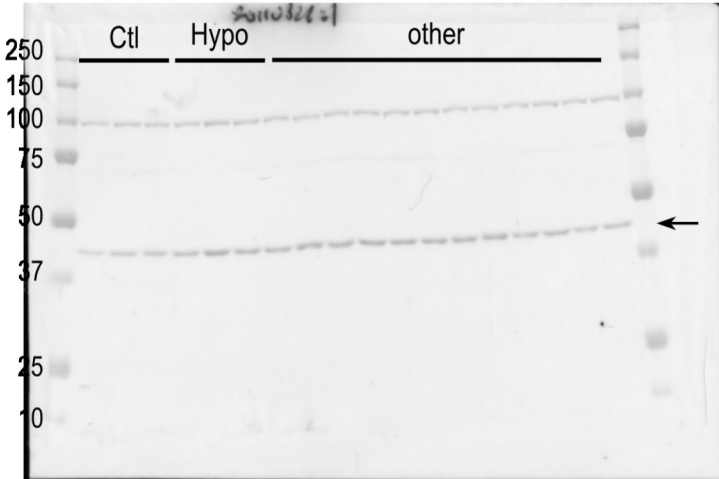


Figure S7b (Batch #2)

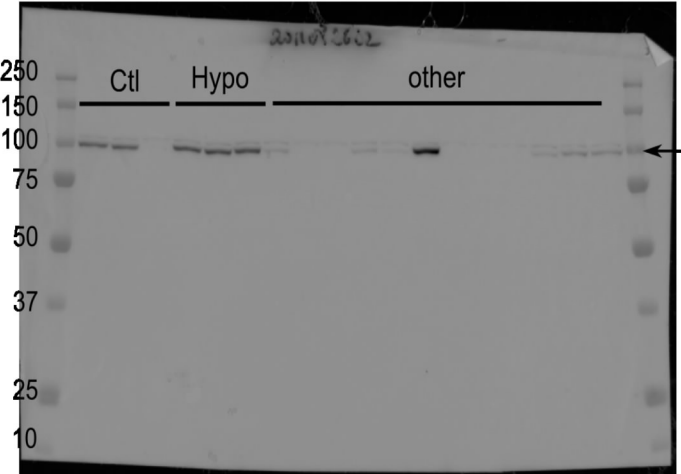
1. Arc



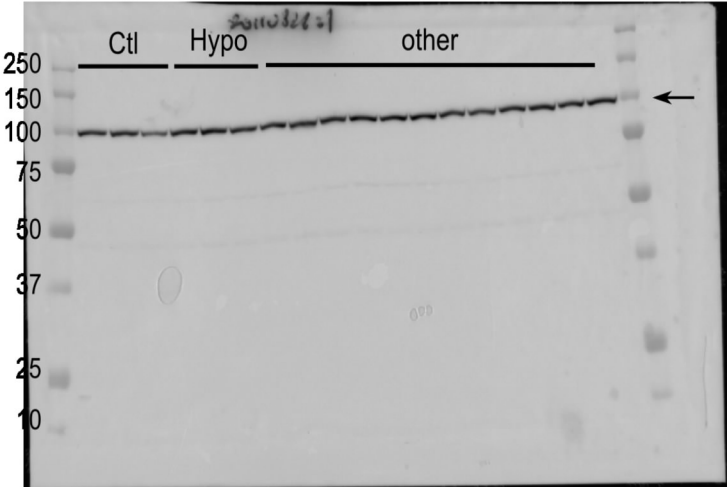
2. Actin



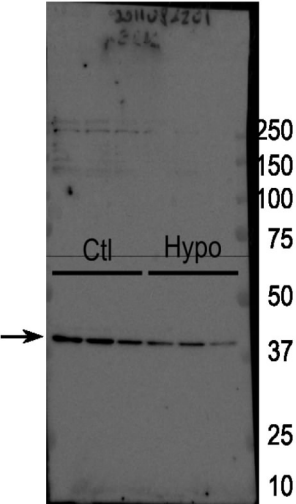
3. Phospho-eEF2



4. eEF2



5. Phospho-ERK



6. ERK

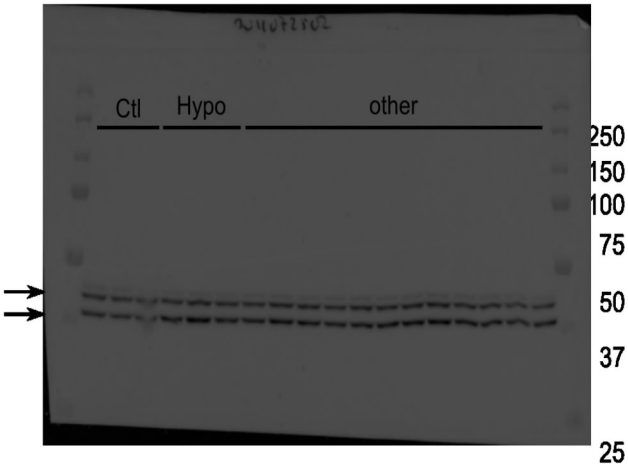
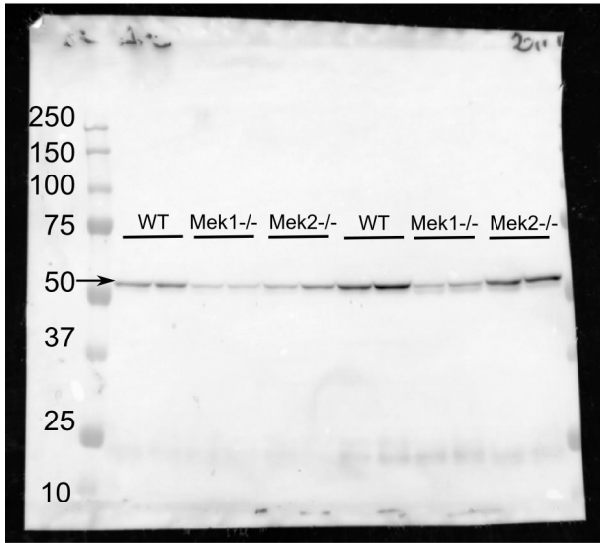
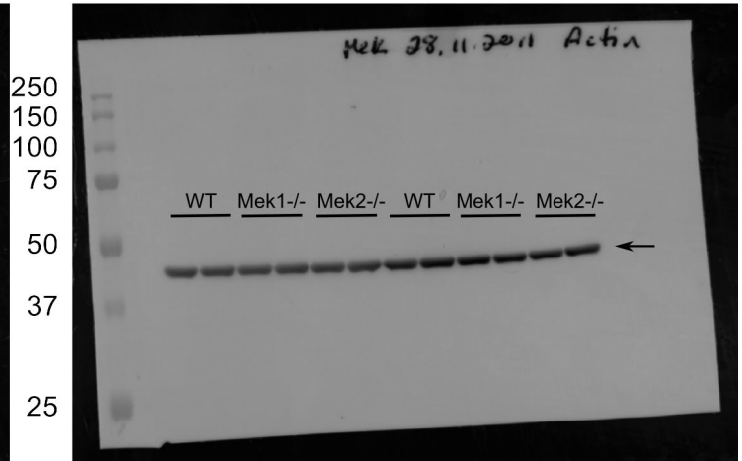


Figure S8

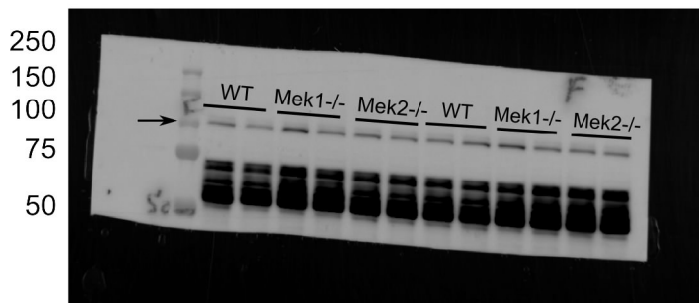
1. Arc



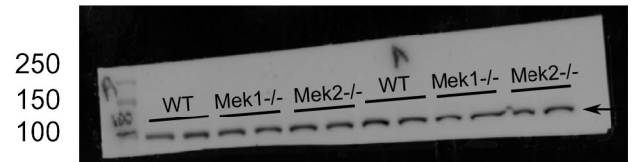
2. Actin



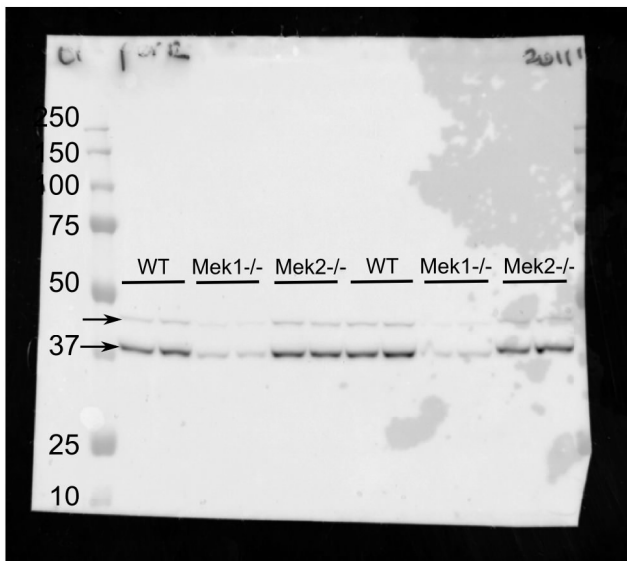
3. Phospho-eEF2



4. eEF2



5. Phospho-ERK



6. ERK

